CLAIMS: We claim:

1. A method for printing facial images of people, captured automatically from a sequence of images, onto one or a plurality of coupons or any promotional printed material, comprising the following steps of:

   a) capturing a plurality of the input images of a person or a plurality of persons,

   b) performing the communication between a means for processing and controlling and a product database and processing read and write transaction to said product database,

   c) performing the communication between said means for processing and controlling and a customer database and processing read and write transaction to said customer database,

   d) processing said plurality of input images in order to superimpose said person's face image onto one or a plurality of said coupons,

   e) processing demographic classification for said person using said plurality of input images and matching said coupon content according to a plurality of the demographic information from said demographic classification, and

   f) printing said coupons or said promotional printed material by combining said superimposed image and said coupon.

2. The method according to claim 1, wherein the method further comprises means for using said coupon as a means to encourage people to visit specific sites as a way of promoting goods or services sold at the visited site.

3. The method according to claim 2, wherein the method further comprises the step of processing a store traffic control by allowing immediate pickup of said coupon or immediate redemption of said coupon.

4. The method according to claim 1, wherein said method is integrated into any public place, which requires the usage of said coupons, such as existing checkout counters of a retail store environment.

5. The method according to claim 1, wherein said method is integrated into a stand-alone system, such as a coupon Kiosk system.

6. The method according to claim 5, wherein the method is further comprising the following steps of:
    a) displaying digital contents,
    b) playing audio sound,
    c) controlling lights,
    d) processing customer interaction by providing one or a plurality of interfaces, such as keyboard, mouse, or touch-screen to said person, and
    e) processing customer interaction by a contact-free interface.

7. The method according to claim 1, wherein said method for processing demographic

    classification for said person using said plurality of input images gives information

    about the customers and their behavior.

8. The method according to claim 1, wherein said method for processing demographic

    classification for said person using said plurality of input images can be done at

    different stages of coupon creation and redemption, such as at the time of said

    person detection and said coupon creation or at the time of said coupon redemption.

9. The method according to claim 8, wherein said method gathers information about

    the customers from said plurality of demographic classification, by analyzing and

    comparing the demographic information results from said different stages.

10. The method according to claim 1, wherein said method for processing said plurality

    of input images can be processed in uncontrolled background.

11. An apparatus for printing facial images of people, captured automatically from a

    sequence of images, onto one or a plurality of coupons or any promotional printed

    material, comprising one or a plurality of means for:

    a) capturing a plurality of the input images of a person or a plurality of persons,

b) performing the communication between a means for processing and controlling and a product database and processing read and write transaction to said product database,

c) performing the communication between said means for processing and controlling and a customer database and processing read and write transaction to said customer database,

d) processing said plurality of input images in order to superimpose said person's face image onto one or a plurality of said coupons,

e) processing demographic classification for said person using said plurality of input images and matching said coupon content according to a plurality of the demographic information from said demographic classification, and

f) printing said coupons or said promotional printed material by combining said superimposed image and said coupon.

12. The apparatus according to claim 11, wherein said apparatus provides means for allowing said coupon be used as a means to encourage people to visit specific sites as a way of promoting goods or services sold at the visited site.

13. The apparatus according to claim 12, wherein said apparatus further comprises means for processing a store traffic control by allowing immediate pickup of said coupon or immediate redemption of said coupon.

14. The apparatus according to claim 11, wherein said apparatus is integrated into any

public place, which requires the usage of said coupons, such as existing checkout

counters of a retail store environment.

15. The apparatus according to claim 11, wherein said apparatus is integrated into a

stand-alone system, such as a coupon Kiosk system.

16. The apparatus according to claim 15, wherein said apparatus is further comprising

one or a plurality of means for:

a) displaying digital contents,

b) playing audio sound,

c) controlling lights,

d) processing customer interaction by providing one or a plurality of interfaces, such

as keyboard, mouse, or touch-screen to said person, and

e) processing customer interaction by a contact-free interface.

17. The apparatus according to claim 11, wherein said apparatus for processing

demographic classification for said person using said plurality of input images gives

information about the customers and their behavior.

18. The apparatus according to claim 11, wherein said apparatus for processing

demographic classification for said person using said plurality of input images can be

done at different stages of coupon creation and redemption, such as at the time of

said person detection and said coupon creation or at the time of said coupon

redemption.

19. The apparatus according to claim 18, wherein said apparatus gathers information

about the customers from said plurality of demographic classification by analyzing

and comparing the demographic information results from said different stages.

20. The apparatus according to claim 11, wherein said means for processing said

plurality of input images can be processed in uncontrolled background.

21. A method for printing facial images of people, captured automatically from a

sequence of images, onto one or a plurality of coupons or any promotional printed

material, comprising the following steps of:

a) capturing a plurality of the input images of a person or a plurality of persons,

b) processing said plurality of input images in order to superimpose said person's

face image onto one or a plurality of said coupons, and

c) printing said coupons or said promotional printed material by combining said

superimposed image and said coupon.

22. The method according to claim 21, wherein the method further comprises means for

performing the communication between a means for processing and controlling and

a product database, and processing read and write transaction to said product database.

23. The method according to claim 21, wherein the method further comprises means for performing the communication between said means for processing and controlling and a customer database, and processing read and write transaction to said customer database.

24. The method according to claim 21, wherein the method further comprises means for processing demographic classification for said person using said plurality of input images and matching said coupon content according to a plurality of the demographic information from said demographic classification.

25. The method according to claim 21, wherein the method further comprises means for using said coupon as a means to encourage people to visit specific sites as a way of promoting goods or services sold at the visited site.

26. The method according to claim 25, wherein the method further comprises the step of processing a store traffic control by allowing immediate pickup of said coupon or immediate redemption of said coupon.

27. The method according to claim 21, wherein said method further comprises the step of integrating the system into any public place, which requires the usage of said coupons,

    whereby, examples of said public place can be existing checkout counters of a retail store environment.

28. The method according to claim 21, wherein said method further comprises the step of integrating the system into a stand-alone system,

    whereby, examples of said stand-alone system can be coupon Kiosk systems.

29. The method according to claim 28, wherein the method is further comprising the following steps of:

    a) displaying digital contents,

    b) playing audio sound,

    c) controlling lights, and

    d) processing customer interaction by providing one or a plurality of interfaces,

    whereby, examples of the interfaces can be keyboard, mouse, touch-screen, or contact-free interface.

30. The method according to claim 21, wherein said method for processing demographic classification for said person using said plurality of input images further comprises means for producing information about the customers and their behavior.

31. The method according to claim 21, wherein said method for processing demographic classification for said person using said plurality of input images further comprises means for processing the coupon creation and redemption at various stages, such as at the time of said person detection and said coupon creation or at the time of said coupon redemption.

32. The method according to claim 31, wherein said method gathers information about the customers from said plurality of demographic classification by analyzing and comparing the demographic information results from said various stages.

33. The method according to claim 21, wherein said method further comprises means for processing said plurality of input images in uncontrolled background.